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Part Number:

0365150128

Status:

Active

Overview:

din_41612

Description:

2.54mm (.100") Pitch DIN 41612 R Style Male Header with Wire-Wrap, Vertical, Through Hole Press-Fit, 0.60µm (24µ") Selective Gold (Au) Plating, 96 Circuits, with Mounting Clips, No First-Mate-Last-Break, Solder tail Length 17.00mm(.669")

Documents:	
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-36515-001 (PDF)	

General	
Product Family	Backplane Connectors
Series	36515
Application	Backplane
Comments	With Mounting Clips. No First-Mate-Last-Break
Component Type	PCB Header
Overview	din_41612
Product Name	IEC 603-2/DIN 41612
Style	R
Physical	
Circuits (Loaded)	96
Circuits (maximum)	96
Circuits Detail	1,2,3,...32; a+b+c
Color - Resin	Gray
Durability (mating cycles max)	400
First Mate / Last Break	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	Polyester
Number of Columns	32
Number of Pairs	Open Pin Field
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.669 In
PC Tail Length (mm)	17.00 mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness Recommended (in)	0.063 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Carton
Pitch - Mating Interface (in)	0.100 In
Pitch - Mating Interface (mm)	2.54 mm
Pitch - Term. Interface (in)	0.100 In
Pitch - Term. Interface (mm)	2.54 mm
Plating min: Mating (µin)	24
Plating min: Mating (µm)	0.60
Plating min: Termination (µin)	49
Plating min: Termination (µm)	1.25
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	No

EU RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

36515Series

Temperature Range - Operating	-55°C to +125°C
Termination Interface: Style	Through Hole - Compliant Pin, Wire Wrap

Electrical

Current - Maximum per Contact	1A
Data Rate	622.0 Mbps
Voltage - Maximum	250V AC (RMS)

Material Info

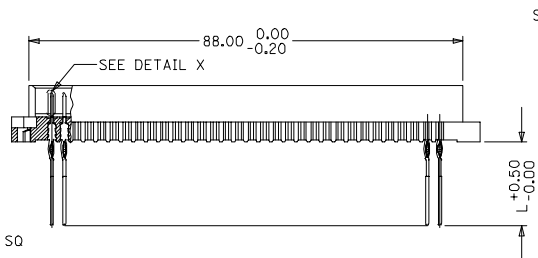
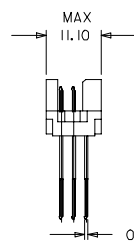
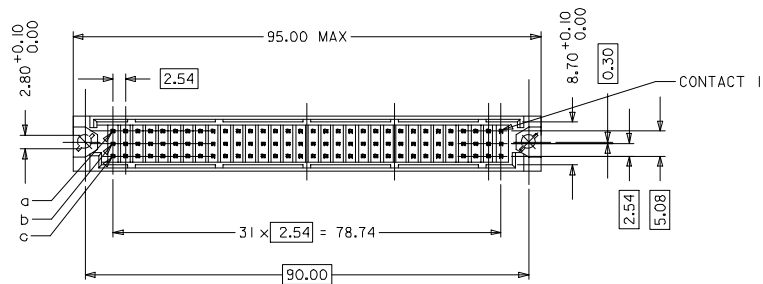
Old Part Number	36515 0128
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Reference - Drawing Numbers

Product Specification	PS-36515-001
Sales Drawing	SD-36515-006

This document was generated on 05/13/2010

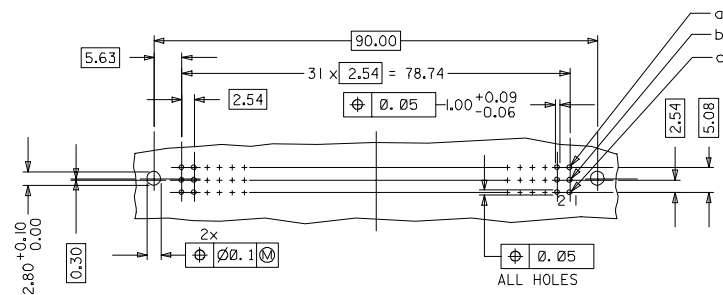
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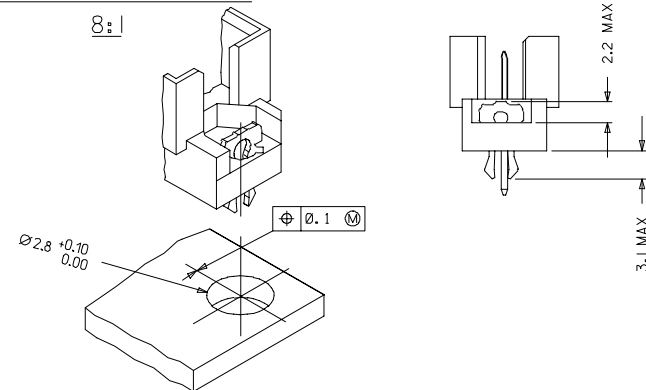
SEE DETAIL Y



RECOMMENDED PCB LAYOUT COMPONENT SIDE



WITH MOUNTING CLIPS



NOTES:

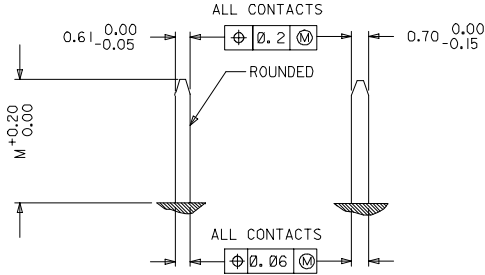
- 1) MATERIALS: THERMOPLASTIC POLYESTER, GLASS FILLED, UL94V-0. COLOUR: PEBBLE GREY RAL 7032
TERMINAL - PHOSPHOR BRONZE
MOUNTING CLIP: STEEL
- 2) FINISH: TERMINALS:-
CONTACT AREA
1. PERFORMANCE LEVEL 1: SELECTIVE GOLD (Au), THICKNESS = 1.1 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER MIN
2. PERFORMANCE LEVEL 2: SELECTIVE GOLD (Au), THICKNESS = 0.6 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER MIN
3. PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER MIN
PRESS-IN AREA: NICKEL, THICKNESS 4.25 MICROMETER MIN OVERALL
WRAP AREA: NICKEL, THICKNESS = 1.25 MICROMETER MIN OVERALL
ADAPTER INSERTION AREA: PERFORMANCE LEVEL 3: SELECTIVE GOLD (Au), THICKNESS = 0.3 MICROMETER OVER NICKEL, THICKNESS = 1.25 MICROMETER MIN
- 3) MOUNTING CLIP:-
TIN (Sn), THICKNESS = 5-10 MICROMETER,
OVER NICKEL (Ni), THICKNESS = 2.5 MICROMETER
- 4) FOR NON MOUNTING CLIP OPTION, CONNECTOR TO BE SECURED WITH RIVETS: 2 TUBULAR RIVETS 2.5 x 0.3 ... DIN 7340
SCREWS: 2 CHEESEHEAD SCREWS M2.5 x ... DIN 84 AND 2 HEXAGONAL NUTS M2.5 DIN 934
- 5) MATERIAL NUMBER, BATCH CODE, UL AND CSA MARKING TO BE PRINTED ON THE CONNECTOR
- 6) CUT FACE OF TIP WITHOUT PLATING PERMITTED
- 7) PRODUCT SPECIFICATION PS-36515-001

RoHS COMPLIANT

EC NO: 12007-0044 DRAWN BY: DR. SATTI HARAD CHECKED BY: CH. K. S. S. HARAD APPROVED BY: APP. S. S. HARAD C1	2006/10/10 2006/10/11 2006/10/15	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
	MM ONLY				2:1	METRIC				
	DRAWN BY DATE				TITLE		ASSY, DIN 41612, R MALE 96P, PRESS-IN, WIRE WRAP			
	SS 1999/09/24				CHECKED BY DATE					
	GJLOWE 1999/09/24				APPROVED BY DATE					
	GJLOWE 1999/09/24				DOCUMENT NO.					
	ANGULAR ± 2 °				MATERIAL NO.		SD-36515-006		SHEET NO.	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		1 OF 2	

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
M	MATERIAL No.	MOLEX ENG No.	PERF LEVEL	PLATING	CONTACT SEQUENCE/ROW	DIM "L" MM	MOUNTING CLIP	FMLB												
	36515-0121	MM-B1467-R960	1	Au + Ni	1,2,3...32 a+b+c	17	NO	NO												
	36515-0122	MM-B1567-R960	2	Au + Ni	1,2,3...32 a+b+c	17	NO	NO												
	36515-0123	MM-B1667-R960	3	Au + Ni	1,2,3...32 a+b+c	17	NO	NO												
L																				
	36515-0127	MM-B1467-R910	1	Au + Ni	1,2,3...32 a+b+c	17	YES	NO												
	36515-0128	MM-B1567-R910	2	Au + Ni	1,2,3...32 a+b+c	17	YES	NO												
K	36515-0129	MM-B1667-R910	3	Au + Ni	1,2,3...32 a+b+c	17	YES	NO												
J	36515-0133	MM-B1467-R930	1	Au + Ni	1,2,3...32 a+b+c	17	NO	1,32a 1,32b 1,32c												
	36515-0134	MM-B1567-R930	2	Au + Ni	1,2,3...32 a+b+c	17	NO	1,32a 1,32b 1,32c												
	36515-0135	MM-B1667-R930	3	Au + Ni	1,2,3...32 a+b+c	17	NO	1,32a 1,32b 1,32c												
I																				
	36515-0139	MM-B1467-R950	1	Au + Ni	1,2,3...32 a+b+c	17	YES	1,32a 1,32b 1,32c												
	36515-0140	MM-B1567-R950	2	Au + Ni	1,2,3...32 a+b+c	17	YES	1,32a 1,32b 1,32c												
	36515-0141	MM-B1676-R950	3	Au + Ni	1,2,3...32 a+b+c	17	YES	1,32a 1,32b 1,32c												
H																				

DETAILY DETAILX



PRE MATING CONTACTS	5.4
NORMAL CONTACTS	4.8
	M

RoHS COMPLIANT

EC No: 12007-0044 DRAWN BY: DRINGSATTI/MARD CHECKED BY: CHIKOSUHIR APPROVED BY: CHIKOSUHIR C1	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			mm	INCH				
		4 PLACES ± 0.05		± 0.05	SS	DRAWN BY DATE	1999/09/24	TITLE ASSY, DIN 41612, R MALE 96P, PRESS-IN, WIRE WRAP
		3 PLACES ± 0.1		± 0.1	CHECKED BY DATE	GJLOWE 1999/09/24		
2 PLACES ± 0.15		± 0.15	APPROVED BY DATE	GJLOWE 1999/09/24				
1 PLACE ± 0.15		± 0.15	GJLOWE 1999/09/24	MATERIAL NO.		DOCUMENT NO.	MOLEX INCORPORATED	
ANGULAR ± 2 °				SEE CHART		SD-36515-006		SHEET NO. 2 OF 2
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				